

In The Claims

The claims have been amended as follows:

1 1.-9. (canceled)

1 10. (Currently amended) An apparatus for coating optical lenses comprising:

2 a filled jig carriage which contains jigs in a front-back and side-by-side
3 configuration;

4 an empty carriage;

5 an uncoated lens loading station;

6 an uncoated lens loading arm;

7 an uncoated lens input means;

8 a coating section; and

9 wherein a leading empty carriage and preceding filled jig carriage are
10 positioned in the uncoated lens loading section with the filled jig carriage
11 adjacent the uncoated lens loading arm wherein the uncoated lens loading
12 arm removes a single front side-by-side row of jigs from the filled jig
13 carriage, lenses from the lens input means are secured in the jigs and the
14 filled jig carriage moved back so that the empty carriage is adjacent the
15 uncoated lens loading arm and the lens containing jigs transferred to the
16 empty carriage, with the above ~~procedure steps~~ being continued until the
17 filled jig carriage is empty so that thereby resulting in a new empty
18 carriage and the former empty carriage is now a filled jig and uncoated lens

19 carriage which is moved out of the uncoated lens loading section and is
20 dipped in the coating section.

1 11. (Withdrawn) An apparatus for coating optical lenses comprising:
2 a filled jig and coated lens carriage which contains jigs and coated lenses in a
3 front-back and side-by-side configuration;
4 an empty carriage;
5 a coated lens unloading section;
6 a coated lens unloading arm;
7 a coated lens output means; and
8 wherein the filled jig and coated lens carriage is moved into the coated lens
9 unloading section with a leading empty carriage, the filled jig and coated
10 carriage is moved adjacent the coated lens unloading arm and a single front
11 side-by-side row of jigs and coated lenses removed from the carriage with
12 the lenses being removed from the jigs and removed from the system using
13 the coated lens output means, the filled jig and coated lens carriage is then
14 being moved back so that the empty carriage is adjacent the coated lens
15 unloading arm and the jigs transferred onto the empty carriage from the
16 coated lens unloading arm with the above procedure being continued until
17 the filled jig and coated lens carriage is empty so that the empty carriage is
18 now a filled jig carriage and is moved out of the coated lens unloading
19 section.

New claims 12, 13 and 14 have been added as follows:

1 12. (New) The apparatus of claim 10 wherein the carriage comprises two
2 support arms, a connected cross-arm and a plurality of vertical hangers ending in a
3 second cross-arm having a plurality of jig holding arms extending transversely
4 therefrom.

1 13. (New) The apparatus of claim 12 wherein the jig comprises a sleeve to fit
2 over the jig holding arms, a vertical plate extending from the bottom of the sleeve
3 in an L-shape wherein the bottom of the L-shape extends in the same plane as the
4 sleeve and is serrated for holding a lens and a U-shaped spring attached to the
5 vertical plate for holding a lens in conjunction with the serrated leg.

1 14. (New) The apparatus of claim 10 wherein the uncoated lens loading arm
2 comprises a horizontal cross member having two transverse members and two
3 vertical members, with the vertical members terminating on pivot members which
4 are used to rotate the arm from one position to another position and a plurality of
5 transverse jig arms extending transversely from the horizontal cross-member, the jig
6 arms holding the jigs.